

DFD-2446-59

10 December 1959

MEMORANDUM FOR: Directorate of Plans
Deputy Director for War Plans
Headquarters USAF

ATTENTION :
SUBJECT : Flight Test Evaluation of Helio-500

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1. it is necessary to have an Air Force flight test evaluation at an early stage of the aircraft development program. It is requested that your office make the necessary arrangements for an Air Force Test Pilot-Engineer team to perform a limited Category I test evaluation. The program will be conducted at the Helio Aircraft Corporation plant in Norwood, Massachusetts. It is anticipated that this evaluation will be started in late February, 1961.

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2. The flight test program will be a limited quantitative performance and qualitative stability and control investigation. Bench calibration of performance instrumentation will not be provided. Control surface position indications and control force instrumentation will not be available. Hand data recording techniques will be required. Limited theodolite equipment will be available. Assistance in the mechanics of data reduction will be provided.

3. The test evaluation criteria will be the same as for similar utility aircraft such as the U-3A. A copy of the design specification requirements will be made available to the Air Force team to facilitate flight test program planning. No Manual of Operating Instructions has been published. Detailed aircraft systems briefings and pilot checkout supervision will be accomplished by Helio personnel. The written evaluation report will be "UNCLASSIFIED" and receive normal Air Force distribution.

4. Informal discussions with personnel of the Air Force Flight Test Center, Edwards AFB, California, indicate their willingness to participate in this preliminary evaluation. In order to prevent the misunderstandings incurred in the L-28A evaluation, Edwards AFB has requested that coordination be effected by direct communication from Headquarters, AFDC

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to Headquarters, AFPTO. The ADDC contact has been established as:

or

5. The DFD representative for the development phase of this aircraft is

FOR THE DEPUTY DIRECTOR (PLANS)

BY:

Colonel, USAF

COORDINATED:

SIGNED

Chief, Development Branch

SIGNED

Operations Branch

Administration

DPD-DD/P

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